L Number	Hits	Search Text	DB	Time stamp
1	639	, ·• ·	USPAT;	2004/06/20 09:33
		positive or negative)	US-PGPUB	
2	2		USPAT;	2004/06/20 09:58
		revers\$4) same (polarity or positive or	US-PGPUB	1
	2500	negative))	HCDAT.	2004/06/20 09:33
3	3529	(pin\$4 near5 revers\$4) and (polarity or	USPAT; US-PGPUB	2004/00/20 03.33
1.	24	positive or negative) ((sync adj mark) or sm) and ((pin\$4 near5	USPAT;	2004/06/20 09:34
4	24	revers\$4) and (polarity or positive or	US-PGPUB	2004,00,20,03101
		negative))	05 10102	
5	51694	(magneto adj resist\$4) or magneto-resist\$4	USPAT;	2004/06/20 09:35
	01071	or magnetoresist\$4 or mr or gmr or tmr	US-PGPUB	
6	121	((pin\$4 near5 revers\$4) and (polarity or	USPAT;	2004/06/20 09:35
		positive or negative)) and ((magneto adj	US-PGPUB	
		resist\$4) or magneto-resist\$4 or		
1		magnetoresist\$4 or mr or gmr or tmr)		
7	11		USPAT;	2004/06/20 09:38
		positive or negative)) and ((magneto adj	US-PGPUB	
		resist\$4) or magneto-resist\$4 or		
		magnetoresist\$4 or mr or gmr or tmr)) and	ì	
	2	servo (((sync adj mark) or sm) and ((pin\$4 near5	USPAT;	2004/06/20 09:36
8	2	revers\$4) and (polarity or positive or	US-PGPUB	2004/00/20 03:30
1		negative))) and (((pin\$4 near5 revers\$4)	1	
		and (polarity or positive or negative))		
		and ((magneto adj resist\$4) or		
		magneto-resist\$4 or magnetoresist\$4 or mr		
		or gmr or tmr))		
9	29		USPAT;	2004/06/20 09:38
		positive or negative)) and ((magneto adj	US-PGPUB	
		resist\$4) or magneto-resist\$4 or		ļ
		magnetoresist\$4 or mr or gmr or tmr)) and		•
10	8	<pre>mark ((((pin\$4 near5 revers\$4) and (polarity or</pre>	USPAT;	2004/06/20 09:39
10	•	positive or negative)) and ((magneto adj	US-PGPUB	2004,00,20 03.33
		resist\$4) or magneto-resist\$4 or	00 10102	
		magnetoresist\$4 or mr or gmr or tmr)) and		
		servo) and ((((pin\$4 near5 revers\$4) and		
		(polarity or positive or negative)) and		
ŀ		((magneto adj resist\$4) or		
1		magneto-resist\$4 or magnetoresist\$4 or mr		
	20	or gmr or tmr)) and mark)	HCDATT.	2004/06/20 09:45
11	32	((((pin\$4 near5 revers\$4) and (polarity or positive or negative)) and ((magneto ad)	USPAT; US-PGPUB	2004/06/20 09:45
		resist\$4) or magneto-resist\$4 or	U3-FGFUB	
		magnetoresist\$4 or mr or qmr or tmr)) and		
1		servo) ((((pin\$4 near5 revers\$4) and		
}		(polarity or positive or negative)) and	1	
		((magneto adj resist\$4) or		
		magneto-resist\$4 or magnetoresist\$4 or mr	<u> </u>	
		or gmr or tmr)) and mark)	apam	2004/05/20 20 45
12	29	((pin\$4 near5 revers\$4) and (polarity or	USPAT;	2004/06/20 09:46
		positive or negative)) and ((magneto adj resist\$4) or magneto-resist\$4 or	US-PGPUB	
		magnetoresist\$4 or mr or qmr or tmr) and		
		mark		
13	3		USPAT;	2004/06/20 09:46
'		positive or negative)) and ((magneto adj	US-PGPUB	
		resist\$4) or magneto-resist\$4 or		
		magnetoresist\$4 or mr or gmr or tmr) and		
		mark and 360/\$.ccls.		0004/05/00 00 55
14	53	(((pin\$4 near5 revers\$4) and (polarity or	USPAT;	2004/06/20 09:56
		<pre>positive or negative)) and ((magneto adj resist\$4) or magneto-resist\$4 or</pre>	US-PGPUB	
	·	magnetoresist\$4 or mr or gmr or tmr)) and		
		360/\$.ccls.		
15	2	5650887.pn. or 6392849.pn.	USPAT;	2004/06/20 09:57
			US-PGPUB	
16	353	(spin adj valve) same (polarity or positive	USPAT;	2004/06/20 09:58
		or negative)	US-PGPUB	
	L			

18	, - i				
18 353 (spin adj valve) same (polarity or positive or negative) 27 ((sync adj mark) or sm) and ((spin adj valve) and (polarity or positive or negative)) ((sync adj mark) or sm) and ((magneto adj resist\$4) or magneto-resist\$4 or mr or gmr or tmr) (((sync adj mark) or sm) and ((spin adj valve) and (polarity or positive or negative)) (((sync adj mark) or sm) and ((spin adj valve) and ((magneto adj resist\$4) or magneto-resist\$4 or mr or gmr or tmr) (((sync adj mark) or sm) and ((spin adj valve) and ((magneto adj resist\$4) or magneto-resist\$4 or mr or gmr or tmr) ((spin adj valve) and (polarity or positive or negative) (s650887.pn. or 6392849.pn.) and servo and (polarity or positive or negative) ((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative) ((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) ((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) ((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) ((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) ((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) ((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) ((magneto adj resist\$4) or mr or gmr or tmr) and (spin adj valve) and (polarity or positive or negative)) (uspar; uspar; uspar) (uspar)	17	1083	(spin adj valve) and (polarity or positive	USPAT;	2004/06/20 10:08
19			or negative)		
19	18	353	(spin adj valve) same (polarity or		2004/06/20 09:58
valve and (polarity or positive or negative)			positive or negative)	US-PGPUB	
valve) and (polarity or positive or negative) ((sync adj mark) or sm) and ((magneto adj resist\$4) or magneto-resist\$4 or mr or gmr or tmr) (((sync adj mark) or sm) and ((spin adj valve) and (polarity or positive or negative)) ((sync adj mark) or sm) and ((spin adj valve) and ((magneto adj resist\$4) or magneto-resist\$4 or mr or gmr or tmr) (550887.pn. or 6392849.pn.) and servo and (polarity or positive or negative) (5650887.pn. or 6392849.pn.) and ((spin adj valve) and (polarity or positive or negative) ((magneto adj resist\$4) or magneto-resist\$4 or magneto-resist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative) ((magneto adj resist\$4) or magneto-resist\$4 or magneto-resist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) (((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) (((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo (((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo (((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo (((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo (((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo (((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) (((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (spin adj valve	19	27	((sync adj mark) or sm) and ((spin adj	USPAT;	2004/06/20 09:59
negative)) ((sync adj mark) or sm) and ((magneto adj resist\$4) or magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) (((sync adj mark) or sm) and ((spin adj valve) and (polarity or positive or negative))) and (((sync adj mark) or sm) and ((spin adj uslve) and (polarity or positive or negative)) 22			valve) and (polarity or positive or	US-PGPUB	
resist\$4) or magneto-resist\$4 or magnetoresist\$4 or magnetoresist\$4 or mr or gmr or tmr) (((sync adj mark) or sm) and ((spin adj valve) and (polarity or positive or megative))) and (((sync adj mark) or sm) and ((magneto adj resist\$4) or mr or gmr or tmr)) (22					
resist\$4) or magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) (((sync adj mark) or sm) and ((spin adj valve) and (polarity or positive or negative))) and (((sync adj mark) or sm) and ((magneto adj resist\$4) or mr or gmr or tmr)) (5650887.pn. or 6392849.pn.) and servo and (polarity or positive or negative) (5650887.pn. or 6392849.pn.) and (spin adj valve) and (polarity or positive or negative) ((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) ((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) (((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) (((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and serov (((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and serov (((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and serov (((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and serov ((((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo ((((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve)) and servo ((((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve))) and servo	20	1948	((sync adj mark) or sm) and ((magneto adj		2004/06/20 09:59
21				US-PGPUB	
valve) and (polarity or positive or negative))) and (((sync adj mark) or sm) and ((magneto adj resist\$4) or magneto-resist\$4 o			magnetoresist\$4 or mr or gmr or tmr)		1
valve) and (polarity or positive or negative)) and (((sync adj mark) or sm) and ((magneto adj resist\$4) or magneto-resist\$4 or margetoresist\$4 or margetoresist\$4 or margetoresist\$4 or margetity or positive or negative) 23	21	27	(((sync adj mark) or sm) and ((spin adj	USPAT;	2004/06/20 10:05
negative))) and (((sync adj mark) or sm) and ((magneto adj resist\$4) or magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr)) 1 (5650887.pn. or 6392849.pn.) and servo and (polarity or positive or negative) 2 (5650887.pn. or 6392849.pn.) and ((spin adj valve) and (polarity or positive or negative) 2 (magneto adj resist\$4) or magneto-resist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) 2 ((magneto adj resist\$4) or magneto-resist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) 2 ((magneto adj resist\$4) or magneto-resist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and serov 2 (((magneto adj resist\$4) or magneto-resist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and serov 2 (((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and serov 2 ((((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo 2 (((((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo 3 (((((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo				US-PGPUB	
magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) (5650887.pn. or 6392849.pn.) and servo and (polarity or positive or negative) 23 2 (5650887.pn. or 6392849.pn.) and ((spin adj valve) and (polarity or positive or negative) 24 1052 ((magneto adj resist\$4) or magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) 25 0 (((magneto adj resist\$4) or magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) 26 74 (((magneto adj resist\$4) or magneto-resist\$4 or magneto-resist\$4 or magneto-resist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) 27 0 ((((magneto adj resist\$4) or magneto-resist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo 27 0 (((((magneto adj resist\$4) or magneto-resist\$4 or mr or gmr or tmr) and (spin adj valve) 28 0					
magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) (5650887.pn. or 6392849.pn.) and servo and (polarity or positive or negative) 23 2 (5650887.pn. or 6392849.pn.) and ((spin adj valve) and (polarity or positive or negative) 24 1052 ((magneto adj resist\$4) or magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) 25 0 (((magneto adj resist\$4) or magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) 26 74 (((magneto adj resist\$4) or magneto-resist\$4 or magneto-resist\$4 or magneto-resist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) 27 0 ((((magneto adj resist\$4) or magneto-resist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo 27 0 (((((magneto adj resist\$4) or magneto-resist\$4 or mr or gmr or tmr) and (spin adj valve) 28 0			and ((magneto adj resist\$4) or		}
1 (5650887.pn. or 6392849.pn.) and servo and (polarity or positive or negative) 23 2 (5650887.pn. or 6392849.pn.) and ((spin adj valve) and (polarity or positive or negative) 24 1052 ((magneto adj resist\$4) or magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) 25 0 (((magneto adj resist\$4) or magneto-resist\$4 or magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) and serov 26 74 (((magneto adj resist\$4) or magneto-resist\$4 or magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and serov 27 0 ((((magneto adj resist\$4) or magneto-resist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo 28 0 ((((magneto adj resist\$4) or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo 29 0 ((((magneto adj resist\$4) or magneto-resist\$4 or mr or gmr or tmr) and (spin adj valve) and (polarity or positive or negative)) and servo 29 0 ((((magneto adj resist\$4) or mr or gmr or tmr) and or gmr or tmr) and (spin adj valve) and (polarity or positive or negative)) and servo 2004/06/20 10:			magneto-resist\$4 or magnetoresist\$4 or mr		
(polarity or positive or negative) (magneto adj resist\$4) or magneto-resist\$4 or magneto-resist\$4 or magneto-resist\$4 or magnetoresist\$4 or magneto-resist\$4 or magneto-resist\$4 or magneto-resist\$4 or magnetoresist\$4 or magneto-resist\$4 or magneto-resist\$4 or magnetoresist\$4 or magneto-resist\$4 or magnetoresist\$4 or magneto-resist\$4 or magn					
2 (5650887.pn. or 6392849.pn.) and ((spin adj valve) and (polarity or positive or negative)) 24 1052 ((magneto adj resist\$4) or magneto-resist\$4 or magnetoresist\$4	22	1			2004/06/20 10:08
adj valve) and (polarity or positive or negative)) ((magneto adj resist\$4) or magneto-resist\$4 or magneto			(polarity or positive or negative)		
negative)) ((magneto adj resist\$4) or magneto-resist\$4 or magneto	23	2			2004/06/20 10:08
24 1052 ((magneto adj resist\$4) or magneto-resist\$4 or magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) 25 0 (((magneto adj resist\$4) or magneto-resist\$4 o				US-PGPUB	
magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) 0 (((magneto adj resist\$4) or magneto-resist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and serov 14 (((magneto adj resist\$4) or magneto-resist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo 27 0 ((((magneto adj resist\$4) or magneto-resist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo 17 0 ((((magneto adj resist\$4) or magneto-resist\$4 or mr magneto-resist\$4 or magneto-resist\$4 or magneto-resist\$4 or mr uspart;					
or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative)) (((magneto adj resist\$4) or magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and serov (((magneto adj resist\$4) or magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo (((magneto adj resist\$4) or magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo (((magneto adj resist\$4) or magneto-resist\$4 or magnetoresist\$4 or mr USPAT;	24	1052	((magneto adj resist\$4) or		2004/06/20 10:09
(polarity or positive or negative)) (((magneto adj resist\$4) or magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and serov (((magneto adj resist\$4) or magneto-resist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo (((magneto adj resist\$4) or mr) (polarity or positive or negative))) and servo ((((magneto adj resist\$4) or mr) ((((magneto adj resist\$4) or mr) ((((magneto adj resist\$4) or mr) (((magneto adj resist\$4) or mr) (((magneto adj resist\$4) or mr) ((((magneto adj resist\$4) or mr) (((((magneto adj resist\$4) or mr) ((((((magneto adj resist\$4) or mr) ((((((((((((((((((((((((((((((((((((US-PGPUB	
0 (((magneto adj resist\$4) or magneto-resist\$4 or magneto-resist\$4 or magnetoresist\$4 or magneto-resist\$4 or magnetoresist\$4 or magneto-resist\$4 or magnetoresist\$4 or magneto-resist\$4 or					1
magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and serov 74 (((magneto adj resist\$4) or magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo 0 ((((magneto adj resist\$4) or magneto-resist\$4 or magnetoresist\$4 or mr USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT;				rianam.	2004/06/20 10:00
or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and serov 26 74 (((magneto adj resist\$4) or magneto-resist\$4 or magneto-resist\$4 or magneto-resist\$4 or magneto-resist\$4 or magneto-resist\$4 or negative))) and (polarity or positive or negative))) and servo 27 0 ((((magneto adj resist\$4) or magneto-resist\$4 or mr US-PGPUB)	25	0		,	2004/06/20 10:09
(polarity or positive or negative))) and serov (((magneto adj resist\$4) or magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo ((((magneto adj resist\$4) or uspat; magneto-resist\$4 or magnetoresist\$4 or mr uspat; uspa			magneto-resist\$4 or magnetoresist\$4 or mr	US-PGPUB	
serov (((magneto adj resist\$4) or magneto-resist\$4 or magneto-resist\$4 or magnetoresist\$4 or magneto-resist\$4 or magneto-resi					
74 (((magneto adj resist\$4) or magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo 27 0 ((((magneto adj resist\$4) or magneto-resist\$4 or magnetoresist\$4 or mr USPAT; us					
magneto-resist\$4 or magnetoresist\$4 or mr or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo 0 ((((magneto adj resist\$4) or USPAT; uspective)) magneto-resist\$4 or magnetoresist\$4 or mr US-PGPUB	26	74	====:	HCDAT.	2004/06/20 10:09
or gmr or tmr) and ((spin adj valve) and (polarity or positive or negative))) and servo ((((magneto adj resist\$4) or USPAT; 2004/06/20 10: magneto-resist\$4 or magnetoresist\$4 or mr US-PGPUB	20	/4			2004/00/20 10:03
(polarity or positive or negative))) and servo ((((magneto adj resist\$4) or USPAT; 2004/06/20 10: magneto-resist\$4 or magnetoresist\$4 or mr US-PGPUB				00 10105	
servo ((((magneto adj resist\$4) or USPAT; 2004/06/20 10: magneto-resist\$4 or magnetoresist\$4 or mr US-PGPUB					
0 ((((magneto adj resist\$4) or USPAT; 2004/06/20 10: magneto-resist\$4 or magnetoresist\$4 or mr US-PGPUB					
magneto-resist\$4 or magnetoresist\$4 or mr US-PGPUB	27			USPAT:	2004/06/20 10:09
		Ů		US-PGPUB	
	1		or gmr or tmr) and ((spin adj valve) and		
(polarity or positive or negative))) and					
servo) and 360/1-79			servo) and 360/1-79		
1 20 ((((),,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	28	31	((((magneto adj resist\$4) or	,	2004/06/20 10:09
magneto-resist\$4 or magnetoresist\$4 or mr US-PGPUB			magneto-resist\$4 or magnetoresist\$4 or mr	US-PGPUB	
or gmr or tmr) and ((spin adj valve) and					
(polarity or positive or negative))) and					
servo) and 360/1-79.ccls.			servo) and 360/1-79.ccls.		